

Flood Control Project Maintenance**2012 Structure Summary Report****Overall Unit and Item Ratings****DWR Sutter Maintenance Yard****Butte Slough Drainage Structure**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	M
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	N
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	N
	Operation & Maintenance Manual	N
	Plant Building	N
	Communications	A
	Safety	N
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	N
	Operation & Maintenance Manual	N
	Plant Building	N
	Communications	A
	Safety	N
	Cranes	N
	Pumps	N
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	N
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	N
	Operation & Maintenance Manual	N
	Plant Building	N
	Communications	A
	Safety	N
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Butte Slough Drainage Structure

Structure Rating	A
Date of Inspection	7/30/2012
DWR Inspector	Max Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure							07/30/2012 07/30/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: There is some vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation is present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Cobble is grouted in place around the outfall, appears to be in good condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments or obstructions present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: The culvert inlets and outlets are free of blockage and appear to convey the design flow.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	8
9	0.00	0.00	Structures	Metal Pipes		A	Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: There are no trash racks on this structure.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	10
11	0.00	0.00	Structures	Flap Gates		A	Inspector Comments: The flap gate appears to be in proper working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: No sluice or slide gates are present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: No electric gate operators present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure							07/30/2012 07/30/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: No manual gate operators on this structure.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	14
15	0.00	0.00	Structures	Concrete Surfaces		N	Inspector Comments: No concrete surfaces to inspect. Grouted cobble has been addressed as a revetment.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: This does not apply to this structure.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	16
17	0.00	0.00	Structures	Concrete Foundations		N	Inspector Comments: No concrete foundation or structure present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: No security fencing present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure appears to be functioning and in working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: There is no trash rake on this facility.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: No other metallic items other than the culvert.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: No joints to inspect.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/30/2012 07/30/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
08/04/2011 Butte Slough Drainage structure on the land side.	
mkhashch_t_20120709_016.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
08/04/2011 Butte Slough Drainage structure outfall.	
mkhashch_t_20120709_017.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
07/30/2012 Butte Slough Drainage structure on the land side.	
mkhashch_t_20120801_514.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/30/2012 07/30/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
07/30/2012 Butte Slough Drainage structure outfall.	
mkhashch_t_20120801_515.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
07/30/2012 Butte Slough Drainage structure outfall.	
mkhashch_t_20120801_516.JPG	

*** Location**

LS : Land Side
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**** Rating**

A : Acceptable
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PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment

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Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Butte Slough Outfall Structure

Structure Rating	A
Date of Inspection	7/30/2012
DWR Inspector	Max Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/30/2012 07/30/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation obstructing structure or impeding flow.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion or bank caving was observed on either the land or water side.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing cobble on landside appears to be in good condition and is clearly visible.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments or obstructions are visible.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: Culverts were submerged at the time of this inspection.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Pipes were fully submerged at the time of the inspection.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: No trash racks on this structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Flap gates were fully submerged at the time of this inspection.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Gates appear to be operating normally.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: No electric gate operators at this facility.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gate operators appear to be in good working condition, they are lubricated and appear to move freely.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	14

*** Location**

LS : Land Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure							07/30/2012 07/30/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No evidence of tilting sliding or settlement.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No evidence of erosion, scouring or undermining near the structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: There is a security gate on the road, but no security fencing to inspect.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: No trash rake at this structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: Metal railings and cattwalks are painted or coated to prevent corrosion.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: Joints appear to be in good condition.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Railing is in place at manual sluice gate controls.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/30/2012 07/30/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
08/04/2011 View of the Butte Slough Outfall Structure on the land side.	
mkhashch_t_20120709_018.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
08/04/2011 View of the Butte Slough Outfall Structure on the water side.	
mkhashch_t_20120709_019.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
07/30/2012 View of the Butte Slough Outfall Structure on the land side.	
mkhashch_t_20120801_517.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/30/2012 07/30/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
07/30/2012 View of the Butte Slough Outfall Structure on the water side.	
mkhashch_t_20120801_518.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Colusa Weir

Structure Rating	A
Date of Inspection	7/31/2012
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/31/2012 07/31/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N		39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: The trash and debris has been removed.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	14

*** Location**

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**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/31/2012 07/31/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	23

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/31/2012 07/31/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the Colusa Weir structure from the left bank of the levee.

cathom_t_20120808_045.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This view is of the Colusa Weir structure from the right bank of the levee.

cathom_t_20120808_046.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Little Chico Creek Control And Weir Structures

Structure Rating	A
Date of Inspection	7/24/2012
DWR Inspector	Clay Thomas
Accompanied By	Paul Casillas DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure							Structure Length	Inspection Start/End	Inspector	
Little Chico Creek Control And Weir Structures								07/24/2012 07/24/2012	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N		39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: There is some vegetation, the flow does not appear impeded.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: There is shoaling and sedimentation, the flow does not appear impeded.	° °	° °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion observed.	° °	° °	4
5	0.00	0.00	Structures	Revetments		N	Inspector Comments: No riprap observed.	° °	° °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments observed.	° °	° °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	° °	° °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gate operators appear in good condition.	° °	° °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: The concrete surface appears in good condition.	° °	° °	15

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure							Structure Length	Inspection Start/End	Inspector	
Little Chico Creek Control And Weir Structures								07/24/2012 07/24/2012	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No significant areas of tilting, sliding of settlement.	°	°	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: The concrete foundation appears in good condition.	°	°	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	°	°	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: The closure structure appears in good condition.	°	°	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	°	°	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	°	°	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: Monolith joints appear in good condition.	°	°	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Hand rails are installed.	°	°	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/24/2012 07/24/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the structure.

cathom_t_20120730_032.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the weir.

cathom_t_20120730_033.JPG



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

This is a view looking upstream.

cathom_t_20120730_034.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/24/2012 07/24/2012	Clay Thomas

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

This is a view looking downstream.

cathom_t_20120730_035.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Middle Creek Pumping Plant

Pumping Plant Rating	A
Date of Inspection	7/25/2012
DWR Inspector	Pavel Kazi
Accompanied By	Brian Stringer Sutter Maintenance Yard (DWR)

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant							07/25/2012 07/25/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The operation log was up to date and present at the pump station.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The O&M manual was present at the pumping plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	2
3	0.00	0.00	Pump Stations	Plant Building		M	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had a sign of differential settlement.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cellular phone was available to the pump station operator.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	4
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No safety hazard was present around the plant. All of the rail guards and fences were secured and in good condition except few lights in the plant weren't operational.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	5 Y
6	0.00	0.00	Pump Stations	Cranes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No crane was present at this plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The power source appeared to be reliable and safe.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: There were no motors or fans present at this plant other than the pumps.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	10
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pump control systems appeared to be operational and free of damages.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	11 Y

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant							07/25/2012 07/25/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The wet well was clear of debris and sediments.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	12 Y
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash racks appeared to be in good condition and free of debris.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No trash rakes were installed at this plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The slide gates appeared to be in good condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	15 Y
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No electric gate operator was present in this plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The manual gate operator appeared to be in good working condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All other metallic parts appeared to be in good condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	18
18	0.00	0.00	Pump Stations	Flap Gates		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Flap gates exist in this plant but they were not visible at the landward side for inspection due to high water and there were vegetation growth around the outlet of the flap gates.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Closure structure doesn't exist in this plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Security fencing appeared to be in good condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	21 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant							07/25/2012 07/25/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pipes appeared to be in good working condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/25/2012 07/25/2012	Pavel Kazi

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the pumping plant.

pkazi_t_20120810_173.jpg



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the settlement next to the pumping plant.

pkazi_t_20120810_174.jpg



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety

View of the rail guard around the plant.

pkazi_t_20120810_188.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/25/2012 07/25/2012	Pavel Kazi

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of the pumps.

pkazi_t_20120810_176.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of a pump.

pkazi_t_20120810_177.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of bottom of a pump.

pkazi_t_20120810_178.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/25/2012 07/25/2012	Pavel Kazi

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of the pumps.

pkazi_t_20120810_181.jpg



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

View of the power source of the plant.

pkazi_t_20120810_179.jpg



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the pump control systems.

pkazi_t_20120810_180.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/25/2012 07/25/2012	Pavel Kazi

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the pump control systems.

pkazi_t_20120810_191.jpg



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the wet well.

pkazi_t_20120810_182.jpg



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

View of the trash racks.

pkazi_t_20120810_183.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/25/2012 07/25/2012	Pavel Kazi

Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sluice / Slide Gates

View of the slide gates.

pkazi_t_20120810_184.jpg



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the manual operator at the plant.

pkazi_t_20120810_185.jpg



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the manual operator at the plant.

pkazi_t_20120810_186.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/25/2012 07/25/2012	Pavel Kazi

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
Vegetation growth was obstructing the view of flap gate opening.	
pkazi_t_20120810_187.jpg	



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
View of the security fencing around the plant.	
pkazi_t_20120810_189.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
View of the intake pipes at the plant.	
pkazi_t_20120810_190.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Moulton Weir

Structure Rating	A
Date of Inspection	7/31/2012
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/31/2012 07/31/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N		39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Moulton Weir							07/31/2012 07/31/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/31/2012 07/31/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the Moulton Weir taken from the right bank levee.

cathom_t_20120808_047.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Nelson Bend

Structure Rating	A
Date of Inspection	8/24/2012
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/24/2012 08/24/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	4
5	0.00	0.00	Structures	Revetments		A		38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	5
6	0.00	0.00	Structures	Encroachments		A		38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: Item does not exist on this structure	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	14
15	0.00	0.00	Structures	Concrete Surfaces		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	16
17	0.00	0.00	Structures	Concrete Foundations		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	18

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Nelson Bend							08/24/2012 08/24/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	22
23	0.00	0.00	Structures	Safety		A		38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/24/2012 08/24/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
This view is from the north end of the structure looking south.	
cathom_t_20120827_054.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
This view is of the north end of Nelson Weir.	
cathom_t_20120827_055.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
This view is of the south end of Nelson Weir.	
cathom_t_20120827_056.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/24/2012 08/24/2012	Clay Thomas

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

This is a view of the vegetation in front of the weir.

cathom_t_20120827_057.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 1

Pumping Plant Rating	A
Date of Inspection	7/20/2012
DWR Inspector	Max Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure							Structure Length	Inspection Start/End	Inspector	
Sutter Bypass Pumping Plant No. 1								07/20/2012 07/20/2012	Maksim Khashchuk	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		N	Inspector Comments: The operating log is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		N	Inspector Comments: The O & M manual is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	2
3	0.00	0.00	Pump Stations	Plant Building		N	Inspector Comments: Plant building is currently under construction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cell phones and two-way radios are available to pump station operators.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	4
5	0.00	0.00	Pump Stations	Safety		N	Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear).	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	5
6	0.00	0.00	Pump Stations	Cranes		N	Inspector Comments: Cranes are not present at this site.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear to be properly maintained and in working condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	7
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The current power source is an emergency generator which is kept on site to run the pumping plant if required during an emergency.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: These items appear to be maintained and in operating condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	10 Y
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pump control systems on site are new and appear to be in working order.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	11
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Sumps are clear and free of debris.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	12
12	0.00	0.00	Pump Stations	Trash Racks		A	Inspector Comments: No debris present on trash racks, they appear to be in good condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	13 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1							07/20/2012 07/20/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	0.00	0.00	Pump Stations	Trash Rakes		N	Inspector Comments: No trash rake at this site.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sluice gates appear to be in good working order.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	15
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear to be in good working condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A		38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	18
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Inspector Comments: No closure structure present at this location.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Inspector Comments: Site is currently secured by a masonry brick wall.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	21 Y
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No visible deficiencies observed in the pipe's condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building
07/20/2012 View of plant building under construction.	
mkhashch_t_20120723_493.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power
08/24/2011 Photo shows emergency generator that is being kept on site to operate the pumps, if necessary during reconstruction.	
mkhashch_t_20120709_020.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power
07/20/2012 Photo shows emergency generator that is being kept on site to operate the pumps, if necessary during reconstruction.	
mkhashch_t_20120723_486.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
08/24/2011 Photo shows pump motors, which appear to be in operating condition.	
mkhashch_t_20120709_021.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
07/20/2012 Photo shows pump motors, which appear to be in operating condition.	
mkhashch_t_20120723_487.JPG	



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
08/24/2011 Photo shows properly maintained trash rack.	
mkhashch_t_20120709_022.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
07/20/2012 Photo shows properly maintained trash rack.	
mkhashch_t_20120723_488.JPG	



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
08/24/2011 Photo shows sluice gate operators. Note: operators can be operated either mechanically or manually.	
mkhashch_t_20120709_023.jpg	



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
07/20/2012 Photo shows sluice gate operators. Note: operators can be operated either mechanically or manually.	
mkhashch_t_20120723_489.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
08/24/2011 Photo shows flap gates and concrete outfall structure.	
mkhashch_t_20120709_024.jpg	



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
07/20/2012 Photo shows flap gates and concrete outfall structure.	
mkhashch_t_20120723_490.JPG	



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
08/24/2011 Photo shows masonry brick wall which encloses the pump plant.	
mkhashch_t_20120709_025.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
07/20/2012 Photo shows masonry brick wall which encloses the pump plant.	
mkhashch_t_20120723_491.JPG	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
08/24/2011 Photo shows pump intake pipe, typical.	
mkhashch_t_20120709_026.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
07/20/2012 Photo shows pump intake pipe, typical.	
mkhashch_t_20120723_492.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 2

Pumping Plant Rating	A
Date of Inspection	7/20/2012
DWR Inspector	Max Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2							07/20/2012 07/20/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		N	Inspector Comments: Operation log is not at the site, due to construction, Operation Log is being kept at Sutter Yard.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		N	Inspector Comments: O & M manual is not at the site, due to construction, O & M manual is being kept at Sutter Yard.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	2
3	0.00	0.00	Pump Stations	Plant Building		N	Inspector Comments: Plant building is currently under construction.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	3
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operator has two-way radio and cellular phone available to them.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	4
5	0.00	0.00	Pump Stations	Safety		N	Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear).	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	5
6	0.00	0.00	Pump Stations	Cranes		N	Inspector Comments: Cranes are not present at this site.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	6
7	0.00	0.00	Pump Stations	Pumps		N	Inspector Comments: Pumps are being connected to onsite power supply for emergency use. Testing was taking place during inspection.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Inspector Comments: The current power source is an emergency generator which is kept on site to run the pumping plant if required during an emergency. Two generators are required because of the number (six) and size of the pumps on site.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	Inspector Comments: Motors were being tested on day of inspection. Operation of motors cannot be confirmed.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	10 Y
10	0.00	0.00	Pump Stations	Pump Control Systems		N	Inspector Comments: Pump control systems were being tested on the day of inspection, one unit was short circuited during testing.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	11 Y
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Vegetation noted in one (of six) sump, but this does not appear to be enough to inhibit pump operation.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	12 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2							07/20/2012 07/20/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
12	0.00	0.00	Pump Stations	Trash Racks		A	Inspector Comments: Trash rack is secure and free of debris.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Inspector Comments: No trash rake at this site.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sluice gates appear to be properly maintained and operational.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	15
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear to be in good working condition.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Inspector Comments: All other metal parts that were visible are corrosion protected.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	18
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Inspector Comments: No closure structure present at this location.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Inspector Comments: Site is currently secured by a masonry brick wall.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	21 Y
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No visible deficiencies observed in the pipe's condition.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps
08/24/2011 Photo shows preparation of pumps for testing.	
mkhashch_t_20120709_027.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps
07/20/2012 Photo shows pumps connected to temporary power supply during construction.	
mkhashch_t_20120723_478.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power
08/24/2011 Photo shows two generators which are being kept on site for emergency operation of the pumps.	
mkhashch_t_20120709_028.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

07/20/2012 Photo shows two generators which are being kept on site for emergency operation of the pumps.

mkhashch_t_20120723_479.JPG



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

08/24/2011 Photo shows motors in place at site.

mkhashch_t_20120709_029.jpg



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

07/20/2012 Photo shows motors in place at site.

mkhashch_t_20120723_480.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems
08/24/2011 Photo shows pump control system unit damaged during testing. Note pliers in photo, which may have caused short circuit.	
mkhashch_t_20120709_030.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well
08/24/2011 Photo shows one sump with vegetation present.	
mkhashch_t_20120709_031.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
08/24/2011 Photo shows row of trash racks (six).	
mkhashch_t_20120709_032.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
07/20/2012 Photo shows row of trash racks (six).	
mkhashch_t_20120723_482.JPG	



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
08/24/2011 Photo shows controls for sluice gates.	
mkhashch_t_20120709_033.jpg	



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
07/20/2012 Photo shows controls for sluice gates.	
mkhashch_t_20120723_483.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

08/24/2011 Photo shows flap gates. Note water is the result of the motor/pump testing.

mkhashch_t_20120709_034.jpg



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

07/20/2012 View of flap gates.

mkhashch_t_20120723_484.JPG



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing

08/24/2011 Photo shows masonry block wall which encloses the site.

mkhashch_t_20120709_035.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
08/24/2011 Photo shows intake pipe, typical.	
mkhashch_t_20120709_036.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
07/20/2012 View of intake structure, typical.	
mkhashch_t_20120723_485.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 3

Pumping Plant Rating	A
Date of Inspection	7/20/2012
DWR Inspector	Max Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3							07/20/2012 07/20/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		N	Inspector Comments: Operation log is not at the site, due to construction, Operation Log is being kept at Sutter Yard.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		N	Inspector Comments: O & M manual is not at the site, due to construction, O & M manual is being kept at Sutter Yard.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	2
3	0.00	0.00	Pump Stations	Plant Building		N	Inspector Comments: Plant building is currently under construction.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	3
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operator has two-way radio and cellular phone available to them.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	4
5	0.00	0.00	Pump Stations	Safety		N	Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear).	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	5
6	0.00	0.00	Pump Stations	Cranes		N	Inspector Comments: Cranes are not present at this site.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear to be properly maintained and in working condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	7
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The current power source is an emergency generator which is kept on site to run the pumping plant if required during an emergency.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: These items appear to be maintained and in operating condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	10 Y
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pump control systems on site are new and appear to be in working order.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	11 Y
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Sumps are clear and free of debris.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	12
12	0.00	0.00	Pump Stations	Trash Racks		A	Inspector Comments: No debris present on trash racks, they appear to be in good condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	13 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3							07/20/2012 07/20/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	0.00	0.00	Pump Stations	Trash Rakes		N	Inspector Comments: No trash rake at this site.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sluice gates appear to be in good working order.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	15
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Item does not apply, gate operators are manual only.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear to be in good working condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Inspector Comments: All, other metal parts that were visible are corrosion protected.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	18
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: Flap gates appear to be in proper working condition, they show no signs of corrosion or damage.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Inspector Comments: No closure structure present at this location.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Inspector Comments: Site is currently secured by a masonry brick wall.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	21 Y
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No visible deficiencies observed in the pipe's condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

08/24/2011 Photo shows portable generator which is to remain on site until the construction is completed.

mkhashch_t_20120709_037.jpg



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

07/20/2012 Photo shows portable generator which is to remain on site until the construction is completed.

mkhashch_t_20120723_470.JPG



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

08/24/2011 Photo shows motors which appear to be maintained and in good working condition.

mkhashch_t_20120709_038.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
07/20/2012 Photo shows motors in the background which appear to be maintained and in good working condition.	
mkhashch_t_20120723_471.JPG	



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems
08/24/2011 Photo shows new control panels, which are being installed as part of the new construction.	
mkhashch_t_20120709_039.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems
07/20/2012 Photo shows temporary control panels. Permanent controls will be located in the new pump building.	
mkhashch_t_20120723_472.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

08/24/2011 Photo shows trash rack free of debris and other material.

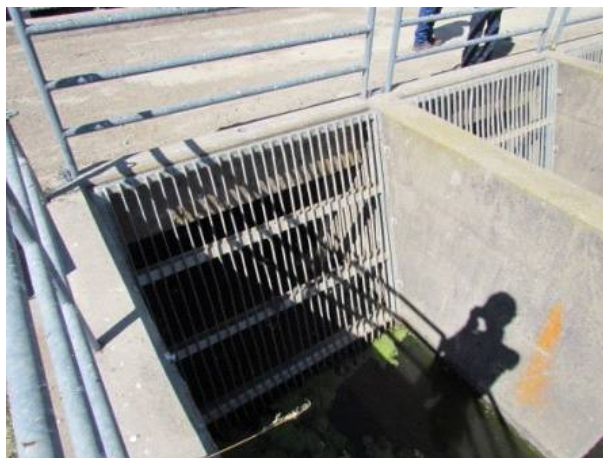
mkhashch_t_20120709_040.jpg



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

07/20/2012 Photo shows trash rack free of debris and other material.

mkhashch_t_20120723_473.JPG



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

08/24/2011 Photo shows manual gate operators.

mkhashch_t_20120709_041.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

07/20/2012 Photo shows manual gate operators.

mkhashch_t_20120723_474.JPG



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

08/24/2011 Photo shows flap gates and concrete outfall structure.

mkhashch_t_20120709_042.jpg



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

07/20/2012 Photo shows flap gates and concrete outfall structure.

mkhashch_t_20120723_475.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
08/24/2011 Photo shows masonry brick wall which encloses the entire structure.	
mkhashch_t_20120709_043.jpg	



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
07/20/2012 Photo shows masonry brick wall which encloses the entire structure.	
mkhashch_t_20120723_476.JPG	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
08/24/2011 Photo shows Intake pipe, typical.	
mkhashch_t_20120709_044.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/20/2012 07/20/2012	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
07/20/2012 Photo shows Intake structure.	
mkhashch_t_20120723_477.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Sutter Bypass Weir No. 2

Structure Rating	A
Date of Inspection	8/15/2012
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/15/2012 08/15/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: This weir is being replaced, the new weir is in the process of being built on the downstream side of weir number 2. Permit No. 18400 (CVFPB) issued 10-30-2008.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	5 Y
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	6 Y
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	12

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2							08/15/2012 08/15/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling, and cracking.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Components of closure clearly marked and installation instructions / procedures readily available.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/15/2012 08/15/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the upstream side of the Sutter Bypass Weir No. 2.

cathom_t_20120822_050.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the downstream side of the Sutter Bypass Weir No. 2. New construction of the replacement for weir no. 2 has already started.

cathom_t_20120822_051.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the downstream work for the replacement weir.

cathom_t_20120822_052.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/15/2012 08/15/2012	Clay Thomas

Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Revetments

This is a view of the upstream side of the weir.

cathom_t_20120611_025.jpg



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Revetments

This is a view of the downstream side of the weir.

cathom_t_20120611_026.jpg



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments

The replacement weir.

cathom_t_20120822_053.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Tisdale Weir

Structure Rating	A
Date of Inspection	8/15/2012
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/15/2012 08/15/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N		39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling was observed, there is some sedimentation.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: There is some debris in the channel.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Tisdale Weir							08/15/2012 08/15/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	23

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/15/2012 08/15/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This view is of the Tisdale Weir from the right bank levee.

cathom_t_20120822_048.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This view of the Tisdale Weir is from the left bank levee.

cathom_t_20120822_049.JPG



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces

This photo shows some surface damage.

cathom_t_20120611_031.jpg



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Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Wadsworth Canal Weir No. 4

Structure Rating	A
Date of Inspection	7/10/2012
DWR Inspector	Bob Duffey
Accompanied By	Paul Casillas DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4							07/10/2012 07/10/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation		N		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	23 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	1
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	2
4	0.00	0.00	Structures	Erosion / Bank Caving		M	Inspector Comments: Repair all erosion along the channel before winter.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	3 Y
5	0.00	0.00	Structures	Revetments		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	4
6	0.00	0.00	Structures	Encroachments		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	5
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	6
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	7
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	8
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	9
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	10
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	11
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	12
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	13
15	0.00	0.00	Structures	Concrete Surfaces		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	14
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	15

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4							07/10/2012 07/10/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
17	0.00	0.00	Structures	Concrete Foundations		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	16
18	0.00	0.00	Structures	Security Fencing		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	17
19	0.00	0.00	Structures	Closure Structures		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	18
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	19
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	20
22	0.00	0.00	Structures	Monolith Joints		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	21
23	0.00	0.00	Structures	Safety		A		39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	22

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/10/2012 07/10/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

View of the upstream side of the Wadsworth Canal Weir No. 4.

rduffey_t_20120710_017.jpg



Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Erosion / Bank Caving

View of the downstream side of the wadsworth canal weir No. 4 erosion along channel.

rduffey_t_20120710_016.jpg



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